

Irrigation Water

Sample Submission Form for Turfgrasses

Agricultural Analytical Services Laboratory

Your name and contact information:

Name: _____

Company: _____

Address: _____

City: _____

State: _____ ZIP: _____

Telephone: _____

Fax: _____

Email: _____

Additional individual, if any, to receive copy of results:

Name: _____

Company: _____

Address: _____

City: _____

State: _____ ZIP: _____

Telephone: _____

Fax: _____

Email: _____

☐ **Hard copy report required:** Check this box if you require a hard copy lab report. No email copy will be provided.

Sample Information

Sample identification: _____ Date sampled: _____

(Identification for your own use to be printed on report)

What is the intended water use?

☐ Athletic fields

☐ Golf course

☐ Lawn/grounds

What is your water source?

☐ Lake or pond

☐ River or stream

☐ Public water supply

☐ Effluent or recycled

☐ Private well (please specify depth): _____ ft.

☐ Other (please specify): _____

Please specify if your water is untreated or treated with any of the following (check all that apply):

☐ Untreated

☐ Acidification

☐ Surfactant injection

☐ Fertigation

☐ Sterilization

☐ Sand filter

☐ Other (please specify): _____

Analysis Request (See back of this form for test descriptions)

TEST PACKAGES

☐ WT01 Basic \$40.00

☐ WT02 Complete \$60.00

INDIVIDUAL TESTS

☐ Alkalinity, Carbonates, Bicarbonates

\$20.00

☐ Hardness as CaCO₃

\$20.00

☐ Ammonium Nitrogen

\$15.00

☐ Nitrate-Nitrogen

\$15.00

☐ Chloride

\$15.00

☐ pH

\$15.00

☐ Conductivity/Total Dissolved Solids

\$15.00

☐ Sulfur

\$15.00

☐ Fluoride

\$20.00

Total cost of test(s) selected: \$ _____

Sample Receipt (lab use only)

of containers: _____

Container(s) in good condition? _____

Sample cooled or on ice? _____

Ice melted: _____
Y or N

Temp °C: _____

Data entry _____

Sample Payment

☐ Check enclosed. (Make check payable to **Penn State University**)

☐ Charge my credit card.

Cardholder's name: (please print) _____ Card number: _____

Cardholder's signature: _____ Expiration date: _____

Irrigation Water Test Packages				
ID	Package	Description	Tests Included	Cost
WT01	Basic Package	Includes basic tests for assessing irrigation water quality and for troubleshooting irrigation water problems	pH, total alkalinity, bicarbonates, carbonates, residual sodium carbonate, hardness, electrical conductivity, total dissolved solids, calcium, magnesium, sodium, sodium absorption ratio, chloride, and boron	\$40.00
WT02	Complete Package	Includes tests from basic package plus fertilizer nutrients; use for evaluation of fertigation and recycled water; also appropriate for troubleshooting irrigation and fertigation water problems	pH, total alkalinity, bicarbonates, carbonates, residual sodium carbonate, hardness, electrical conductivity, total dissolved solids, calcium, magnesium, sodium, sodium absorption ratio, chloride, boron, nitrate-nitrogen, ammonium-nitrogen, phosphorus, potassium, sulfur, iron, manganese, copper, molybdenum, and zinc	\$60.00

HOW TO USE YOUR IRRIGATION WATER TEST KIT

Before taking your water sample(s), please read all instructions carefully.

- 1. TAKE YOUR WATER SAMPLE:** It is important that the sample you submit to the laboratory be representative of your irrigation water supply. Collect your sample as close to the point of end use as possible. Prior to collection, allow water to run for a sufficient period of time to clean out standing water in the lines. Fill the bottle provided in the Water Test Kit and cap tightly. If you are sending a sample in your own container, use a clean, plastic container (approximately ½ quart or 2 cups required) and rinse three times with irrigation water prior to filling. If you are testing your water in order to diagnose a specific problem, special sampling procedures may be warranted. Contact the laboratory or your cooperative county extension office.
- 2. PACKAGE YOUR SAMPLE BOTTLE** in the bubble wrap sleeve that came with the water test kit and place it in the white mailing box.
- 3. COMPLETE THE SUBMISSION FORM AND SUBMIT PAYMENT** for the test(s) you requested. If you are submitting a sample for Nurseries or Greenhouses, complete the submission form. If you are submitting a sample for Turf Irrigation, complete the submission form. Checks should be made payable to Penn State University. Place the completed submission form and payment in the box with the sample.
- 4. CLOSE THE SAMPLE TEST KIT AND SEAL WITH TAPE.** Store your sample in the refrigerator until you are ready to send to the laboratory.
- 5. SEND YOUR SAMPLE** to the laboratory so that it arrives within 36 to 48 hours of sampling. It is preferable to send your sample to the laboratory early in the week rather than later so that delivery will not be delayed over the weekend. Mail your sample to:

The Pennsylvania State University
720 Tower Rd
University Park, PA 16802

extension.psu.edu

For additional information, visit extension.psu.edu/water or contact the lab.

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PennState Extension

Agricultural Analytical Services Laboratory

The Pennsylvania State University • 111 Ag Analytical Services Lab

University Park, PA 16802 • Phone: 814-863-0841

Fax: 814-863-4540 • Web: aasl.psu.edu